

**REPORT/RECOMMENDATION TO THE BOARD OF SUPERVISORS
OF SAN BERNARDINO COUNTY, CALIFORNIA
AND RECORD OF ACTION**

June 8, 2004

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FROM: Patrick J. Mead, Interim Director
Department of Public Works - **Solid Waste Management Division**

**SUBJECT: CONTRACT FOR THE OPERATION, MAINTENANCE AND MONITORING OF
THE LANDFILL GAS EXTRACTION SYSTEMS**

RECOMMENDATION: Award a, \$7,773,972 contract to Bryan A. Stirrat & Associates for the operation, maintenance, and monitoring of Landfill Gas Extraction Systems (LFGES) at the Colton, Heaps Peak, Hesperia, Mid-Valley, Milliken, San Timoteo and Victorville Landfills, in addition to performing monitoring and reporting programs at the Cajon, and Yucaipa Landfills from July 1, 2004 through June 30, 2007.

BACKGROUND INFORMATION: The South Coast Air Quality Management District (SCAQMD) Rule 1150.1 states that all landfills which accepted waste on or after January 1, 1982, must install and operate a LFGES to control landfill gas (LFG) surface emissions and subsurface migrations due to the presence of volatile organic compounds in LFG. In addition, periodic testing must be performed to evaluate the effectiveness of the LFG control system and to verify that the landfill is in compliance with the emission limit of 500 parts per million by volume (ppmv) of total organic compounds (TOC) as contained in the Rule. SCAQMD Rule 431.1 requires the monitoring of sulfur compounds in gaseous fuels combusted during industrial activities. An alternative Rule 431.1 monitoring plan has been approved by the SCAQMD.

The Mojave Desert Air Quality Management District (MDAQMD) Rule 1126 states that Municipal Solid Waste (MSW) Landfills that accepted waste after November 8, 1987 must limit non-methane organic compound (NMOC) emissions by implementing the provisions of 40 Code of Federal Regulations (CFR) Part 60, Subpart C – Emission Guidelines and Compliance Times for MSW Landfills.

Additionally, due to the explosive nature of methane, the California Code of Regulations, Title 27, Chapter 3, Subchapter 4, Article 6 (27CCR) contain requirements that owners and operators of landfills, must control LFG (methane) and prevent it from accumulating in enclosed structures and/or migrating offsite.

The County contracts with a consultant for the operation, maintenance, and monitoring of the Landfill Gas Extraction System at its landfills. This contract is scheduled to expire on June 30, 2004. As a result, the County needs a new contract for these services effective July 1, 2004.

Record of Action of the Board of Supervisors

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On March 23, 2004 the Board authorized the Solid Waste Management Division (SWMD) to issue a Request for Proposals (RFP) to consultants for consulting services for the operation, maintenance, and monitoring of seven (7) Landfill Gas Extraction Systems (LFGES) at the Colton, Heaps Peak, Hesperia, Mid-Valley, Milliken, San Timoteo, and Victorville landfills in addition to performing monitoring programs at the Cajon and Yucaipa Landfills for a total of nine (9) County landfill sites.

Seven (7) interested firms were notified of the RFP and the RFP was advertised on the Consultant Information Network and the SWMD website. Only three (3) firms submitted proposals. The firms that submitted proposals were Bryan A Stirrat & Associates (BAS) from Diamond Bar, SCS Field Services, Inc. (SCS) from Long Beach, and GCE Environmental (GCE) from Anaheim. A Consultant Selection Committee was assembled to review the proposals, interview the firms, and select a firm based on experience, qualifications, and approach to services. The committee consisted of representatives from the Solid Waste Management Division and a representative from the County of San Bernardino, Department of Public Works -Transportation Department who has a background in Solid Waste Management.

The proposal submitted by GCE was deemed non-responsive because it did not adequately address the entire scope of work as required in the RFP and only BAS and SCS were selected for interviews. BAS was unanimously selected as the most qualified because of their qualifications and approach to services that they proposed to provide. Some of these services were above and beyond what was proposed by the other consultants, but are considered necessary by the Selection Committee to protect the public from the migration of landfill gas offsite or into the water supply and are also necessary to maintain regulatory compliance. BAS currently provides Operations and Monitoring at 21 landfills throughout Southern California. No landfill gas related violations from regulatory agencies have been imposed at sites operated by BAS, including the sites that they operate for the County.

After the rankings, all the cost proposals were opened. The costs per year for the 3-year contract proposed by the consultants were: BAS – \$3,222,846, SCS -\$2,407,500, GCE – \$2,339,704. As mentioned above GCE's proposal was deemed non-responsive since it did not adequately address the scope of work as requested in the RFP. SWMD staff made a detailed analysis of the cost proposals. It was found that the rates submitted for the various classifications of personnel that would be performing the work were basically the same among the consultants. The difference in cost was in the number of personnel hours that the consultants proposed to dedicate to the project. When an equal amount of hours were used the cost proposals were essentially equal. As mentioned above, BAS proposed to perform services that were beyond what the other firms had listed in their proposals, such as more frequent monitoring of problem areas. After selecting BAS, contract negotiations were conducted to determine a fair and reasonable cost for the scope of services. SWMD staff and BAS representatives agreed to a cost of \$2,591,324 per year that was deemed fair and reasonable when taking into consideration the level of services being provided.

Bryan A. Stirrat & Associates is currently providing these services under a contract due to expire on June 30, 2004. This proposed contract provides for Bryan A. Stirrat & Associates to continue to perform the Operation, Maintenance and Monitoring of Seven Landfill Gas Extraction Systems; SCAQMD-required Rules 1150.1 and 431.1 monitoring, MDAQMD Rule 1126, 27CCR-required onsite structures and perimeter probe monitoring and reporting at the Cajon, Colton, Heaps Peak, Hesperia, Mid-Valley, Milliken, San Timoteo, Yucaipa and Victorville Sanitary Landfill sites in the County of San Bernardino. The contract will be for a period of three (3) years commencing on July 1, 2004 and ending on June 30, 2007.

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REVIEW AND APPROVAL BY OTHERS: This item was reviewed by Deputy County Counsel Robert L. Jocks (387-5435) on May 27, 2004, and County Administrative Officer Tom Forster, Administrative Analyst, 387-4635) on May 27, 2004.

FINANCIAL IMPACT: This action will have no impact on the General Fund. The cost of the three-year contract is \$2,591,324 per year. Funds for the first year of this contract are contained in SWMD's proposed FY 2004/05 Budget Fund: EAA Dept: SWM Org: OPS Appr: 210 Obj: 2445 (\$1,829,974) and Fund: EAL Dept: SWM Org: SWM Appr: 210 Obj: 2445 (\$761,350). Funding for these services for the remaining two years will be included in SWMD's proposed budgets for FY 2005/06 and FY 2006/07.

COST REDUCTION REVIEW: The County Administrative Office has reviewed this agenda item, concurs with the Department's proposal, and recommends this action based on the following: The work to be performed is mandated by the following regulations: SCAQMD Rule 1150.1 and Rule 431.1; MDAQMD Rule 1126; 40 Code of Federal Regulations Part 60, Subpart C – Emission Guidelines and Compliance Times for MSW Landfills; California Code of Regulations, Title 27, Chapter 3, Subchapter 4, Article 6. Failure to comply with any of these regulations could result in severe penalties and fines being imposed upon the County of San Bernardino by the various regulatory agencies.

SUPERVISORAL DISTRICT: All

PRESENTER: Peter H. Wulfman, 386-8703

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